

ABSTRACT

The invention provides a power amplifier system including a plurality of amplifiers, a plurality of primary transformer windings, a single secondary transformer winding. Each of the plurality of amplifiers includes a differential input that is commonly coupled to a system input port, and each the plurality of amplifiers also includes a differential output. Each of the plurality of primary transformer windings is coupled to the differential output of one of the plurality of amplifiers. The single secondary transformer winding is inductively coupled to all of the primary transformer windings and provides a system output port to which a load may be coupled..